

ABSTRACT OF THE DISCLOSURE

- [35] A lock assembly for a low pressure mold assembly includes a pin which extends from the first mold portion to be received into a female lock member. The female lock member includes a movable lock plate having a key-hole shaped opening. An actuator selectively moves the lock plate relative to the second mold portion between an unlocked and a locked position. In another embodiment, the lock assembly includes a female lock member mounted to the first mold portion and a male lock member mounted to the second mold portion. The female lock member includes a fixed bracket having a pair of parallel plates each having a substantially hook-shaped opening. The male lock member includes a linear actuator to drive an engagement member into and out of the hook-shaped opening to provide a locked and an unlocked position. A swing actuator drives the linear actuator through an arc such that the engagement portion of the linear actuator clears the female lock member to separate the mold portions.

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